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JAN 24 2003

Page 11, fifth paragraph starting at line 24:

For TAT:

5'-TTTTTCTAGAACCATGGAGCCAGTAGATCCT-3' (SEQ ID NO:7)

5'-TTTTCTCGAGCTAATCGAACGGATCTGC-3' (SEQ ID NO:8)

Page 12, fourth paragraph starting at line 19:

Phase 1:

The HIV-1 NEF (SEQ ID NO:1) gene was obtained from a plasmid pcNEF vector, which contained the LAI isolate NEF gene inserted into a pcTAT vector lacking the TAT gene. The NEF gene used for further cloning was achieved as a 1.3 kb fragment by Spe I and Hind III digestion from pcNEF. To eliminate the reformation of the Hind III site on ligation, after Hind III digestion the fragment was treated with Klenow enzyme and a mix of dATP, dCTP, dGTP nucleotides after which the Spe I digestion was performed. The fragments obtained were separated by electrophoresis on a 1% agarose gel alongside standard size markers. Bands of correct size were cut out and the DNA recovered using the Sephaglas Bandprep Kit (Pharmacia Biotech), following the manufacturer's protocol.

### IN THE CLAIMS

Kindly enter the following amended claims.

1. (Amended) A self-replicating recombinant vector comprising bovine papilloma virus nucleotide sequences consisting essentially of

- (i) a bovine papilloma E1 gene and E2 gene,
- (ii) a minimal origin of replication of a bovine papilloma virus,
- (iii) a minichromosomal maintenance element of a bovine papilloma virus, and

a heterologous nucleotide sequence selected from the group consisting of a nucleotide sequence encoding the HIV regulatory protein NEF, a nucleotide sequence encoding the HIV regulatory protein REV, a nucleotide sequence encoding the HIV regulatory protein TAT, and a nucleotide sequence encoding a fragment thereof capable of eliciting an immunological response in a recipient.